Bently Nevada 990-05-XX-03-CN 104M6732-01

01 / IDENTITY AND EVIDENCE BOUNDARY

Bently Nevada 990-05-XX-03-CN 104M6732-01 belongs to the 990 vibration-transmitter family, which supplies an overall-vibration signal to a machinery controller. The supplied series reference does not resolve the special calibration, XX system length or CN approval execution.

Identity and standard code references

990	Vibration transmitter family
05	Standard ordering-table meaning: 0-5 mil peak-to-peak
XX	System-length placeholder; numerical value not supplied
03	Standard ordering-table meaning: DIN clips and bulkhead screws
CN / 104M6732-01	Retained exactly; special approval and identifier not decoded

Measurement and control roles

Installed probe + cable Exact combination requires confirmation	**990-series transmitter** Signal conditioning and current loop	**Machinery controller** Scaling, trending and alarm logic

Important Notice

The supplied 141612 Rev. Y datasheet is a series reference. It does not identify 104M6732-01 or resolve XX and CN for this execution. Standard ordering meanings and series ratings do not independently confirm special-execution calibration, component compatibility or certification.

Where the supplied evidence stops

The source specifically names modifications 147202-01 and 165335-01. Neither is the requested 104M6732-01 identifier. Their special transducer relationships cannot be transferred to this unit.

Related Bently Nevada models

Bently Nevada 990-05-50-02-01	Related portfolio item; verify full configuration
Bently Nevada 990-05-70-02-01	Related portfolio item; verify full configuration
Bently Nevada 990-04-50-01-00	Related portfolio item; verify full configuration

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02 / TWO-WIRE LOOP REFERENCE

Applicability

All numerical data in the reference tables describe the documented 990 family. The supplied file does not identify this special execution. Resolve its actual calibration, transducer combination and approvals before applying these reference values to a machine.

990-series electrical reference

Supply at Transmitter	+12 to +35 VDC; approval-specific circuit limits also apply
Process Output	4-20 mADC, two-wire, proportional to configured full scale
Loop Accuracy	Within +/-1.5% of full scale, TEST input to a 250-ohm loop
Loop Accuracy Boundary	Additional to PROX OUT incremental scale-factor error
Maximum Loop Resistance	1000 ohm including cable at 35 VDC
Current Limiting	23 mA typical

Accuracy boundary

The +/-1.5% loop rating is measured from the TEST input to voltage across a 250-ohm load. PROX OUT incremental scale-factor error is additional. This statement is not a confirmed total accuracy for the unidentified special calibration.

Separate commissioning paths

The TEST input accepts a function-generator signal for a loop-output check. This evaluates a different path from the installed probe, target and extension cable. Record the selected test path and instrument loading, and complete the installed-channel functional check separately.

What measurement boundary applies to the loop-accuracy reference for 990-05-XX-03-CN 104M6732-01?

The series +/-1.5% rating runs from the TEST input to voltage across a 250-ohm loop. PROX OUT scale-factor error is additional, so that figure should not be described as the total accuracy of this unlisted special execution.

Related Bently Nevada models

Bently Nevada 990-05-50-02-01	Related portfolio item; verify full configuration
Bently Nevada 990-04-50-01-00	Related portfolio item; verify full configuration

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03 / DYNAMIC DIAGNOSTICS AND STATUS

990-series diagnostic interface

Zero and Span	Independent external adjustments under the label
Diagnostic Output	Non-isolated PROX OUT / COM and coaxial connector
PROX OUT Impedance	10 kohm, calibrated for a 10 Mohm load
PROX OUT Cable Limit	3 m maximum from the BNC diagnostic output
Grounded Test Equipment Interface	122115-01 test adapter for signal isolation
Transducer-system Frequency Range	5-6000 Hz

990-series status reference

Not OK Output	Below 3.6 mA within 100 us after a Not OK condition
Not OK Recovery	2-3 seconds after the fault condition is removed
Power-up Inhibit	Output below 3.6 mA for 2-3 seconds

Instrument isolation

The dynamic PROX OUT path is not isolated from the two-wire current loop. The 122115-01 test adapter provides signal isolation and conditioning for grounded AC-powered diagnostic instruments. An oscilloscope ground connection must not be treated as electrically independent of the operating loop.

Trend versus diagnosis

The 4-20 mA signal supports overall peak-to-peak trending. It does not determine vibration phase, capture an alarm waveform or implement gap/phase alarms, Timed OK channel defeat, Danger Bypass or Trip Multiply. The machinery control system supplies its configured alarm and logic functions.

Related Bently Nevada models

Bently Nevada 990-05-70-02-01	Related portfolio item; verify full configuration

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990-series transmitter environment

Transmitter Operating Temperature	-35 to +85 deg C; installed approval limits also apply
Storage Temperature	-52 to +100 deg C
Humidity	100% condensing, non-submerged, with protected coaxial connectors

Approval selection

The general series supply range and environmental limits do not establish an approved hazardous-area circuit. The CN suffix in this requested identity is not decoded in the supplied 990 ordering table. Keep any approval-dependent selection open until the actual marking and circuit documents are available.

Evidence needed before application

Identity	Record the complete model including 104M6732-01
Companion components	Resolve XX and the special probe/cable combination
Electrical check	Check actual supply, load, wiring and approval conditions
Functional check	Verify loop path, installed target response and controller scale
Handover	Retain configuration evidence and machine acceptance results

What evidence is needed to select companion components for 990-05-XX-03-CN 104M6732-01?

Use a configuration record or verifiable marking that links 104M6732-01 to the actual probe, extension and calibration. The supplied 990 datasheet does not list that special identifier, so the standard NSv combinations alone do not complete the selection.

Does the humidity reference permit exposed coaxial connectors on 990-05-XX-03-CN 104M6732-01?

No. The series 100% condensing statement applies to a non-submerged installation with coaxial connectors protected. Review the actual special execution and approval conditions before applying environmental ratings.

Installation record

Keep transmitter conditions separate from conditions at the probe and target. The reference transmitter environment does not identify the allowable temperature of an unspecified special probe.

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How does the series recover from a Not OK condition on 990-05-XX-03-CN 104M6732-01?

The 990 reference restores the output within 2-3 seconds after the fault condition has cleared. Persistent low current requires inspection of the actual transducer connection and circuit rather than an assumed recovery time alone.

Can CN and XX in 990-05-XX-03-CN 104M6732-01 be completed from the standard ordering table?

The supplied table does not define this CN execution, and XX supplies no numerical length. Preserve both fields unchanged and leave their unverified attributes unassigned until the unit configuration is established.

Related Bently Nevada models

Bently Nevada 990-04-50-01-00	Related portfolio item; verify full configuration

Related-product boundary

These are related portfolio links, not compatibility or substitution approvals. Compare every complete identifier and the installed configuration independently; a matching enclosure or base 990 number is insufficient.

Independent service records

Identity record	Complete transmitter and companion-component numbers
Circuit record	Loop wiring, instrument interface and approval documents
Measurement record	Actual calibration and installed functional-test result

Manufacturer evidence and applicability

990 Vibration Transmitter Datasheet 141612 Rev. Y: family role and interfaces p. 1; diagnostic isolation and limitations p. 2; electrical reference and specifically listed modifications p. 3; environment p. 4; approval conditions p. 6; standard ordering p. 7; test adapter p. 10. The user-supplied file does not decode this special execution.

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